

AMENDMENTS TO THE CLAIMS

Claims 1-45 (Cancelled)

Claim 46 (Currently Amended) An optical storage medium ~~including~~ comprising multiple tracks,

~~the multiple tracks being formed concentrically from one of concentric tracks and or in a spiral tracks,~~

~~the multiple tracks being~~ for recording information using marks and spaces arranged between the marks,

~~wherein each mark having~~ has a mark length limited by run length limited (RLL) modulation, and

wherein a playback signal detected by one of an edge of a mark and an edge of a space, not including one of a edges adjacent to the shortest mark and a marks and/or the shortest space, ~~spaces~~ denotes a first playback signal quality.

Claim 47 (Currently Amended) ~~An~~ The optical storage medium according to claim 46, wherein a playback signal detected by one of an edge of a mark and an edge of a space including one of edges adjacent to the shortest mark and marks and/or the shortest space ~~spaces~~ denotes a second playback signal quality.

Claim 48 (Currently Amended) ~~A~~The optical storage medium according to claim 47, wherein the first playback signal quality is higher than the second playback signal quality.

Claim 49 (Currently Amended) ~~A~~The optical storage medium according to claim 46, wherein jitter is detected as ~~the~~ playback signal quality.

Claim 50 (Currently Amended) ~~A~~The optical storage medium according to claim 49, wherein leading-edge jitter and trailing-edge jitter are distinguished from each other.

Claim 51 (Cancelled)

Claim 52 (Currently Amended) ~~A~~The optical storage medium according to claim 46, wherein the optical storage medium includes multiple recording layers, and wherein the first playback signal quality is set for at least one layer of the multiple recording layers.

Claim 53 (Currently Amended) ~~A~~The optical storage medium according to claim 52, wherein ~~the~~ a quality of ~~the~~ a layer of the multiple recording layers that is farthest from the ~~an~~ optical pickup head is highest.

Claims 54-150 (Cancelled)

Claim 151 (Currently Amended) A reproducing method for reproducing ~~the an~~ optical storage medium comprising multiple tracks, the multiple tracks being formed from one of concentric tracks and spiral tracks, the multiple tracks being for recording information using marks and spaces arranged between the marks, wherein each mark has a mark length limited by run length limited (RLL) modulation, and wherein a playback signal detected by one of an edge of a mark and an edge of a space, not including one of a shortest mark and a shortest space, denotes a first playback signal quality ~~according to claim 46 by, the reproducing method comprising~~

emitting a light beam,

~~wherein the optical storage medium includes a signal not including edges adjacent to the shortest marks and/or the shortest spaces denotes a first playback signal quality.~~

Claim 152 (Currently Amended) A recording method for recording information onto an optical storage medium comprising multiple tracks, the multiple tracks being formed from one of concentric tracks and spiral tracks, the multiple tracks being for recording information using marks and spaces arranged between the marks, wherein each mark has a mark length limited by run length limited (RLL) modulation, and wherein a playback signal detected by one of an edge of a mark and an edge of a space, not including one of a shortest mark and a shortest space, denotes a first playback signal quality ~~using marks and spaces between the marks formed, the recording method comprising~~

forming the marks and the spaces located between the marks by emitting a light beam to the optical storage medium ~~according to claim 46.~~